

## IRRIGATING SYSTEM.

## Some of the Many Ways Used for Watering Dry Land.

Appropos of the "efficient" irrigation system in use in these islands is the following description of "warping" given in the Kansas Farmer: Systematic control of the overflow of the Nile and the utilization of the load of sediment which it was caused to deposit upon the soil made Egypt the granary of Europe for centuries. It enabled her to maintain a great population and develop a wonderful civilization. For without the Nile the culture of Egypt would have been impossible. The Nile gave the idea of irrigation and fertilization, from its overflow, to the world. It was utilized by the first prehistoric settlers in the valley of Egypt, and from thence the idea spread to Asia and Europe, and today the great rivers of the greatest continent are made to enrich vast regions which yield marvelous harvests in response even to the crudest efforts of man.

The waters of the Nile and the Ganges are so rich in suspended matter that it occasionally amounts to one one-hundredth of their volume, and sometimes one in 200. The Hoang Ho—"The Sorrow of Han"—so named from the destructive overflows with which it floods vast districts and destroys untold numbers of human beings, carries down great quantities of soil which is utilized to some extent for fertilization in a crude way. The capabilities of the great river of China for sedimentary fertilization are unlimited, for the yellow soil or loess which is carried down is marvelously rich soil. Some attempt at its utilization has been made, and with wonderful success, considering the crude and unsanitary methods applied.

The system of overflowing irrigation and fertilization from the deposit of sediment is what is called "warping." The suspended solid matter is of importance not only for manure, but for a natural addition to the soil to be irrigated. One of the best examples of scientific warping is practiced in England on the River Trent, between Humber and Gainsborough. Embankments along the river were constructed centuries ago to protect the land from the encroachments of the tide as it flowed up the river and raised its level, so that it overflowed the lowlands bordering it.

A century ago a plan was begun of admitting the tidal water of the river with its load of mud to overflow the barren soil and periodically deposit a fresh layer of silt upon it. This system has now been made very elaborate, so that by means of sluices, gates, conduits, warping banks, etc., the mud-laden water is flowed over land or fields desired to be fertilized, and is held until it deposits its load of sediment, when it is allowed to return to the river with the falling tide. So great is the quantity of solid matter in the water that from one to three feet has been deposited where it was desired to make a new soil, from 10 to 12 inches being used during one spring season.

The art is now so well understood that the expert warper farmer may temper his land as he pleases. He can admit the water so as to deposit only a sufficient quantity of mud to act as a manure, or he can set so much as to make a new soil. In the latter case the overflow will need to be repeated frequently during the year, perhaps, as each tide deposits about one-eighth of an inch of silt. This silt is exceedingly rich, and will bear abundantly any kind of crop.

Warping is reduced to a science by the farmers who thus fertilize their lands, and the peculiar procedure is also well understood. Such a system could be adopted regarding the Mississippi overflow, with the proper modifications that the management of its receding conditions would require. These could only be learned by experience of course, following the lines of well-known principles which have been learned by experience with overflow fertilization in other countries.

## Perforated Sails.

The theory of Captain Bassalo has aroused some curiosity in this country among those who are interested in sailing vessels. The Maediamid, a full-rigged Italian ship, of 1,550 tons, recently arrived at Sydney with her sails perforated in accordance with Captain Bassalo's system and her performances at sea have greatly pleased her commander, Captain Criscuolo. There are two holes in each square sail, diminishing from a diameter of 2 feet in the lower sails to courses to about 7 inches in the royals or topmast sails—the fore and aft sails, jibs, staysails and spinnaker have but one hole each. Captain Criscuolo states that when sailing fairly free on a light breeze and increased speed obtainable by his vessel is quite two knots per hour, while with a strong wind it is not quite so much. Running before a wind, if the holes do no good they can certainly do no harm, as the wind escaping from one sail must, of necessity, strike the sail immediately ahead. Captain Bassalo's theory is that the wind, after having done its work on the ordinary sail, forms an elastic cushion in the belly, and this causes a large amount of wind to be thrown back broken, and consequently lost, and he considers that his invention permits of the vessel obtaining full benefit of whatever winds she may get.—London Shipping World.

## Power of the Heart.

The Philadelphia Record's calculator has it that the human heart is practically a force pump about 6 inches in length and 4 inches in diameter. It beats 70 times per minute, 4,200 times per hour, 100,800 times per day and 36,792,000 times per year, and 2,575,440,000—say two thousand five hundred and seventy-five millions four hundred

and forty thousand—times in 70 years, which is "man's appointed three score years and ten." At each of these beats it forces 2½ ounces of blood through the system, 175 ounces per minute, 656¼ pounds per hour, or 7.03 tons per day. All the blood in the body, which is about 20 pounds, passes through the heart every three minutes. This little organ pumps every day what is equal to lifting 122 tons one foot high, or one ton 122 feet high—that is, one ton to the top of a 40-yard mill chimney. During the 70 years of a man's life this marvelous little pump, without a single moment's rest, night or day, discharges the enormous quantity of 178,850 tons of human blood.

## Boating News.

Both the Healan and Myrtle crews to contest in the championship races Saturday, September 11th, will leave for Pearl Harbor on next Saturday. The Leilani has been down for a week and are doing remarkably good work. They will give the other two clubs a very warm tussle.

George Angus of the senior crew of the Myrtle Boat Club is under the weather and may not be able to pull this year.

In the opinion of the water-front experts the Healanis are still the favorites.

## WHARF AND WAVE.

The next steamer from the Coast is the Doric, due September 9th.

The Doric is expected here from China and Japan on the 4th inst.

The J. D. Spreckels sailed from San Francisco for Mahukona, August 21.

The brig W. G. Irwin sailed from San Francisco for this port, August 20.

H. B. M. S. Algeria is expected to arrive at Victoria, B. C., shortly to make a survey between that port and Honolulu for the proposed British cable.

The American schooner Transit, Jorgensen master, arrived in port yesterday afternoon, 13 days from San Francisco, with a full cargo of general merchandise. She is at the Oceanic wharf.

The S. S. Peru, Saunders commander, arrived in port and hauled alongside the Pacific Mail wharf early yesterday morning, having sailed from San Francisco on the 24th inst. She will sail for China and Japan at 10 a. m. today.

The barkentine Irngard arrived in San Francisco, August 20, 23 days from this port. On August 7, in lat. 35 N., lon. 156 W., the maintopmast preventive backstay was carried away and the maintopmast lost overboard in the NE trades.

The four-masted barkentine Echo, Charles E. Foye master, arrived off port yesterday morning, on her way from Chemainus to Tientsin, with a cargo of lumber. She was 20 days out, and called in at this port to leave mail and procure a supply of medicine.

The American barkentine Amelia, E. F. Willer master, arrived in port yesterday morning, 26 days from Seattle, Wash., with a cargo of lumber for Allen & Robinson. She experienced calm, light and southerly winds throughout the trip. The Amelia is alongside Allen & Robinson's lumber wharf.

**A CURE FOR BILIOUS COLIC.**  
RESORCINOL, Scriven Co., Ga.—I have been subject to attacks of bilious colic for several years. Chamberlain's Colic, Cholera and Diarrhoea Remedy is the only sure relief. It acts like a charm. One dose of it gives relief when all other remedies fail.—G. D. SHARP. For sale by all druggists and dealers, Benson, Smith & Co., agents for Hawaiian Islands.

## SHIPPING INTELLIGENCE.

## VESSELS IN PORT.

**NAVAL.**  
U.S.S. Philadelphia, Miller, San Diego.  
U.S.S. Bennington, Nichols, San Diego.  
H.L.S.M. Nanika-kan, Kurooka, Japan.

**MERCHANTMEN.**  
(This list does not include Coasters.)  
Ger. ship H. F. Glade, Haesloep, Bremen.

Br. bark Woolahra, Barneson, Newcastle, August 17.  
Am. schr. Lizzie Vance, Hardwick, Newcastle, August 17.  
Am. bark Geo. F. Manson, Crack, Newcastle, August 23.  
Am. bk. Mohican, Saunders, San Francisco, August 23.  
Am. schr. Aloha, Dabel, San Francisco, August 27.  
Am. schr. Robert Lewers, Goodman, Port Gamble, August 29.  
Am. schr. Jessie Minor, Whiting, Eureka, August 29.  
Am. bktn. Archer, Calhoun, San Francisco, August 31.  
Am. schr. Transit, Jorgensen, San Francisco, August 31.  
Am. bktn. Amelia, Willer, Seattle, Wash., September 1.

## VESSELS EXPECTED.

Vessel: From: Date:  
Schr. Novelty, Newcastle, Due  
Bktn. Kikikat, Port Gamble, Aug. 27  
Brig W. G. Irwin, Frisco, Sept. 4  
Schr. Jno. G. North, Frisco, Sept. 5

## ARRIVALS.

Tuesday, August 31.  
P. M. S. S. Peru, Saunders, from San Francisco.  
Am. bktn. Archer, Calhoun, from San Francisco.  
Am. schr. Transit, Jorgensen, from San Francisco.

Wednesday, September 1.  
Schr. Ka Mol, from Hamakua.  
Stmr. Kaala, Mosher, from Oahu ports.  
Am. bktn. Amelia, Willer, 26 days from Seattle, Wash.  
Am. bktn. Echo, Foye, 20 days from Chemainus, B. C. (Off port).  
Stmr. J. A. Cummins, Searle, from Oahu ports.

Thursday, September 2.  
Stmr. James Makee, Tullet, from Kauai ports.

## DEPARTURES.

Tuesday, August 31.  
Am. bark C. D. Bryant, Celly, for Laysan Island.  
Stmr. Kinau, Clarke, for Maui and Hawaii.  
Stmr. Claudine, Cameron, for Maui ports.  
Stmr. Noeau, Pederson, for Lahaina.  
Stmr. Mikahala, Thompson, for Nawiliwili, Koloa, Elele, Hanapepe, Makaweli, Waimea, Kekaha and Niihau.  
Stmr. Helene, Freeman, for Hawaii ports.

Wednesday, September 1.  
Bktn. Echo, Foye, for Tientsin.  
P. M. S. S. Peru, Saunders, for China and Japan.

Thursday, September 2.  
Stmr. James Makee, Tullet, for Kapa.  
Stmr. Kaala, Mosher, for Oahu ports.  
Stmr. Kaena, Parker, for Oahu ports.

## PASSENGERS.

**Arrivals.**  
From San Francisco, per bktn. Archer, August 31—Masters Armstrong, Hedemann, Walker and Mr. Prescott.  
From San Francisco, per S. S. Peru, August 31—Captain N. M. Dyer, U. S. N., J. F. Humburg, F. E. King, Wm. H. Hamilton, Miss Margaret Scott, Dr. T. J. Edwards, H. T. Edwards, Rev. T. E. Dickinson, Miss Georgiana Bannan. Through: Mr. and Mrs. J. L. Brett, Mr. and Mrs. A. F. Price, R. G. Watkins, Mr. and Mrs. E. Emanuel, Mrs. Mead Drew, G. D. Brill, Rev. and Mrs. J. A. Fitch and 2 children, H. Lehmann, J. Kohu, Dr. and Mrs. Wm. M. S. Deede, Mr. and Mrs. Montgomery, W. B. Montgomery.

**Departures.**  
For Maui, per stmr. Noeau, August 31.—L. A. Medeiros and W. H. Smith.  
For Maui ports, per stmr. Claudine, August 31.—Matthew Hoonani, D. P. Kapewa, W. H. Beers, Mrs. C. A. Long and two children, T. B. Lyons, wife and two children, D. C. Lindsay, W. Kaholokahiki, Miss Smith, D. H. Kahaula, H. W. Meheula, Ah Fat, Mrs. J. C. Lorenzen, Rev. J. K. Josepa, wife and two children, T. T. Phillips, Tom McTighe, A. N. Kepolika and wife.

For Kauai ports, per stmr. Mikahala, August 31.—Miss McCornist, Miss Elwell, Miss Alexander, Miss Nicholson, Miss W. Joehke, Anton Cropp, W. A. Kinney, J. B. Alexander and wife, Miss Sharp, Miss Winne, J. A. Magoon, W. A. Lane, D. H. Cose, A. G. M. Robertson, W. C. King, Li Chung, A. Rosa, C. Awa, J. C. Ferreira, James Thompson, Yee Kai, Mrs. Kaeo and daughter, Chung Sai and wife, Miss Schubert, Miss J. McLean, J. F. Scott and wife, David Scott, J. B. Freitas, C. R. Dement, T. J. Vincent and M. J. Soares.

For Maui and Hawaii, per stmr. Kinau, August 31.—Volcano: C. W. Barton and G. Thilenius. Way ports: K. Keau, C. D. Fringle, Miss Coan, Mrs. Efford, E. N. Bee, P. Hopkin, L. H. Messick, F. M. Wakefield, C. McLennan, Martin Smith, H. Ryeroff, A. B. Loebeinstein, E. R. Hendry, Miss M. R. Nape, Mrs. Wright, Miss B. Wright, Mrs. Wm. Miller, J. W. Bergstrom, R. N. Boyd, Chang Yuen Hee and wife, Wong How, Miss Debrah, Miss Renwick, Rev. Baptiste, Miss Thurston, Mrs. M. Malterre, J. Pori, J. K. Kulohia, Miss Broderick, Miss E. Lyman, H. Lewis, W. S. Wise, E. N. Bee, Olive Davies, Wilder Wright, Wm. Roth, H. A. Wilder, Gilbert F. Little and 56 on deck.

For China and Japan, per P. M. S. S. Peru, September 1.—C. J. Brooke, R. G. Brewster, Mrs. Plummer, James Arthur and Mr. Amsick, with 115 in steerage.

## WANTED.

A young English governess, trained and holding high certificates, is open to a new engagement in Honolulu or elsewhere in the Islands. Several years' experience. Music, French, Drawing and Painting. Local references. Address: B. E. Advertiser Office, 4704-2WStu 1895-3w

## NOTICE.

The Maui Fishing Company will hold a meeting at the office of Mr. Young Hee, at Walluku, Maui, on the sixth day of September, 1897, A. D., for the election of officers for the ensuing year. Per order of YOUNG HEE, Secretary.

## NOTICE TO CREDITORS.

The undersigned, duly appointed executrix of the will of the late Hon. S. L. Austin, of Hilo, Hawaii, hereby gives notice to all persons having claims against the estate of the said deceased, to present the same duly authenticated at the office of the Tax Assessor, in Hilo, Hawaii, within six months from the date hereof, or they will be forever barred. And all persons owing said estate are requested to make immediate payment to MRS. S. L. AUSTIN, Executrix of the Will of Hon. S. L. Austin, deceased.  
Dated at Hilo, Hawaii, August 25, A. D. 1897. 1894-3t

## NOTICE TO CREDITORS.

The undersigned, duly appointed executrix of the will of the late Francis Spencer, hereby gives notice to all persons having claims against the estate of said deceased, to present the same duly authenticated at her place of abode in Waimea, South Kohala, Island of Hawaii, within six months from date, or they will be forever barred. And all persons owing said estate are requested to make immediate payment to MARTHA N. SPENCER, Executrix of the Will of Francis Spencer, deceased.  
Dated Waimea, Hawaii, August 6, 1897. 1898-4t

## BY AUTHORITY.

## PUBLIC LANDS NOTICE.

On MONDAY, September 20th, 1897, at 10 a. m., at office of E. D. Baldwin, Hilo, Hawaii, will be sold at auction under special conditions (without residence):

Lot 1—Kupahua, 102 acres. Upset price \$153.00.  
Lot 2—Kupahua, 117 acres. Upset price \$175.00.

For plan and further particulars apply to E. D. Baldwin, Hilo, Hawaii, or at office of Public Lands, Honolulu.

J. F. BROWN,  
Agent of Public Lands.  
Dated August 31, 1897. 1895-td

## PUBLIC LANDS NOTICE.

On Thursday, September 23d, at 10 a. m., at the office of E. D. Baldwin, Hilo, Hawaii, will be open for application under the provisions of the Land Act for Right of Purchase, Lease or Cash Freeholds, or under special conditions of cultivation and improvement without residence:

Fourteen lots in Olua, Puna, Hawaii, (Volcano road, 11th to 13th mile, near Peter Lee's place,) of from 10 to 60 acres each in area, at appraised value of \$20 per acre.

For plan and further particulars apply to E. D. Baldwin, Hilo, Hawaii, or at the Office of Public Lands, Honolulu.

J. F. BROWN,  
Agent of Public Lands.  
Public Lands Office, Honolulu, August 31, 1897. 1895-td

## PUBLIC LANDS NOTICE.

LEASE AND SALE OF PUBLIC LANDS IN PUNA AND SOUTH KONA, HAWAII.

ON MONDAY, SEPTEMBER 20, 1897, at front entrance of Judiciary Building, 12 o'clock noon, will be sold at Public

Auction, two lots in Kehena, Puna, containing 64 3-10 acres and 6 9-10 acres, respectively.

Upset price: \$192.90 and \$20.70.

Terms: Cash, in United States gold. At the same time and place will be sold the lease of Ahupuaa of Kaulanamauna, South Kona, containing 3,400 acres, more or less.

Term: 21 years. Upset rental: \$50 per annum, payable annually in advance.

The Government reserves the right to take up any portions of this land for purposes of Land Act without reduction of rent.

For further particulars, apply at the Public Lands Office, Honolulu, or of E. D. Baldwin, Hilo.

J. F. BROWN,  
Agent of Public Lands.  
Dated, August 23, 1897. 1893-td

Department of Finance,  
Honolulu, H. I., September 1, 1897.  
Notice is hereby given that FRANK B. McSTOCKER has this day been appointed Collector-General of Customs for the Hawaiian Islands, vice James B. Castle, resigned.

S. M. DAMON,  
Minister of Finance.  
4701-3t 1895-3t

Department of Finance,  
Honolulu, H. I., September 1, 1897.  
Notice is hereby given that J. F. CLAY has this day been appointed Deputy Collector for the Port of Honolulu, vice Frank B. McStocker, promoted.  
Approved: F. B. McSTOCKER, Collector-General.  
S. M. DAMON,  
Minister of Finance.  
4701-3t 1895-3t

## TENDERS FOR BEEF CATTLE.

Tenders will be received at the office of the Board of Health up to 12 o'clock noon, Wednesday, September 22, 1897, for supplying the Leper Settlement, Molokai, with Beef Cattle for the period of six months ending March 31, 1898, under the following conditions:

1. The contractor to supply Fat Beef Cattle to weigh not less than 350 lbs. net when dressed, cattle weighing less than 350 lbs. net per head to be paid for at twenty-five per cent. less than the contract price.  
2. Cattle to be delivered in lots specified by the Superintendent of the Leper Settlement, and to average from seventy to ninety heads per month more or less.  
3. Cattle dying within twenty-four hours after delivery, from injury or other causes sustained previous to delivery, to be the contractor's loss.  
4. Cattle injured when delivered and killed for that reason to be paid for at twenty-five per cent. less than the contract price.

The tender must be for the price per pound dressed. Hides and tallow to be the property of the Board.  
The Board of Health does not bind itself to accept the lowest or any bid.  
WILLIAM O. SMITH,  
President of the Board of Health.  
Honolulu, Sept. 3, 1897.  
4703-3t 1895-4t

## SEALED TENDERS.

Will be received at the office of the Minister of the Interior till 12 o'clock noon of MONDAY, September 20, 1897, for the construction of Road from Mahukona to the Waimea Road, Hawaii.  
Plans and specifications at the office of the Superintendent of Public Works and at Kohala Post Office.  
The Minister does not bind himself to accept the lowest or any bid.

J. A. KING,  
Minister of the Interior.  
Interior Office, August 25, 1897.  
1893-3t

JOHN W. NEAL, ESQ., has this day been appointed a Notary Public for the Fifth Judicial Circuit of the Hawaiian Islands.  
J. A. KING,  
Minister of the Interior.  
Interior Office, August 31, 1897.  
1894-3t

SATURDAY, September 18, 1897, being a National Holiday, all Government offices throughout the Republic of Hawaii will be closed on that day.

J. A. KING,  
Minister of the Interior.  
Interior Office, August 31, 1897.  
1894-3t

MR. HENELI PEELUA has this day been appointed an Agent to Grant Marriage Licenses for the District of Molokai, Island of Molokai.

J. A. KING,  
Minister of the Interior.  
Interior Office, August 24, 1897.  
1893-3t

On Saturday, September 11, 1897, at Court House, North Kohala, will be sold under special conditions of cultivation and improvement, 10 lots in Awini, North Kohala, of from 20 to 90 acres each in area.

At the same time and place will be sold for cash Lot No. 80, Puukapu, Waimea.

Upset price: \$20.

For further particulars, apply to Charles Williams, Honokaa, Hamakua, or at Office of Public Lands, Honolulu.

J. F. BROWN,  
Agent of Public Lands.  
August 9, 1897. 1892-td

A Rare Chance  
—TO SECURE A—  
Hawaiian Coffee Plantation

With About 200 Acres of Coffee Trees Growing.

The well-known estate of the Hawaiian Tea and Coffee Company, located at Kailua, Kona, Hawaii, is now offered for sale, and furnishes a rare opportunity for investment in the coffee industry.

This estate is located on the public highway, seven miles from the port of Kailua, Hawaii, with which it is connected by a good road. The estate comprises 300 acres of land in fee simple, and 500 acres under lease for various terms of years.

Two hundred (200) acres are already planted with coffee trees, from one to four years old.  
The buildings include manager's and overseers' houses, mill and machinery buildings, tea house, laborers' houses, etc., etc. In addition, there is the usual supply of tools, etc.

This is probably the best opportunity that has been or will soon be offered for any capitalist who wishes to engage in coffee planting, as much of the rough preparatory work is finished, and the estate only needs judicious management, with ample means to carry it on till the crops come in. The crop of this estate for the year 1899 ought to be from 1000 to 1200 bags of coffee, and increasing rapidly each year thereafter.

For further particulars apply to the agents, F. A. SCHAEFER & CO., 1893-6t Honolulu.

## NOTICE.

Notice is hereby given that the Power of Attorney given by us to Mrs. Luia Kalauka, authorizing her to lease our undivided half interest in a certain piece of land situated at North Kohala, Island of Hawaii, known as "Kaloa," containing an area of 126 acres, more or less, bounded and described in R. P. —, is hereby cancelled.

Notice is likewise given that Kalua Maio (K), residing at North Kohala aforesaid, is hereby authorized to take care of the said undivided half interest, together with all our horses.

JULIA KALAKIELA,  
J. S. KALAKIELA.  
Dated Honolulu, H. I., August 30, 1897. 1895-3t

## NOTICE TO CREDITORS.

The undersigned having been duly appointed Executor of the will of Joseph Lazarus, late of Honolulu, deceased, notice is hereby given to all persons to present their claims against the estate of said Joseph Lazarus, duly authenticated, whether secured by mortgage or otherwise, to him at his office on Fort street, Spreckels' block, Honolulu, Island of Oahu, within six months from the date hereof, or they will be forever barred. And all persons indebted to said estate are hereby requested to make immediate payment thereof to the undersigned.

Dated Honolulu, August 7, 1897.  
J. S. WALKER,  
Executor of the Will of Joseph Lazarus, deceased. 1899-4t

## IN THE CIRCUIT COURT OF THE First Circuit, Hawaiian Islands.

John D. Spreckels and Adolph B. Spreckels vs. A. G. Hawes and George Lycurgus.  
The Republic of Hawaii: To the Marshal of the Hawaiian Islands, or his Deputy, Greeting:

You are commanded to summon A. G. Hawes and George Lycurgus defendants in case they shall file written answer within 20 days after service hereof, to be and appear before the said Circuit Court at the November Term thereof, to be held at Honolulu, Island of Oahu, on Monday, the 1st day of November next, at 10 o'clock a. m. to show cause why the claim of John D. Spreckels and Adolph B. Spreckels, plaintiffs, should not be awarded to them pursuant to the tenor of their annexed petition.

And have you then there this writ with full return of your proceedings thereon.

Witness: Hon. A. W. Carter, First Judge of the Circuit [Seal.] Court of the First Circuit, at Honolulu, Oahu, this 19th day of June 1897.  
GEORGE LUCAS,  
Clerk.

1876-3m

## TIME TABLE

Wilder's Steamship Company  
—1897—

## S. S. KINAU,

CLARKE, COMMANDER.  
Will leave Honolulu at 10 o'clock a. m., touching at Lahaina, Maui, Bay and Makani the same day; Mahukona, Kaula and Laupahoehoe the following day, arriving in Hilo the same afternoon.

LEAVE HONOLULU.  
\*Friday...Sep. 10 \*Friday...Nov. 12  
Tuesday...Sep. 21 Tuesday...Nov. 23  
Friday...Oct. 1 Friday...Dec. 3  
\*Tuesday...Oct. 12 \*Tuesday...Dec. 14  
Friday...Oct. 22 Thursday...Dec. 23  
Tuesday...Nov. 2

Will call at Pohniki, Puna, on trips marked \*.  
Returning, will leave Hilo at 8 o'clock a. m., touching at Laupahoehoe, Mahukona and Kaula the same day; Makani, Maui, Bay and Lahaina the following day, arriving at Honolulu the afternoon of Tuesdays and Fridays.

ARRIVE HONOLULU.  
Tuesday...Sep. 7 Tuesday...Nov. 9  
Friday...Sep. 17 Friday...Nov. 19  
Tuesday...Sep. 28 Tuesday...Nov. 30  
Friday...Oct. 8 Friday...Dec. 10  
Tuesday...Oct. 19 Tuesday...Dec. 21  
Friday...Oct. 29 Friday...Dec. 31  
Will call at Pohniki, Puna, on the second trip of each month, arriving there on the morning of the day of sailing from Hilo to Honolulu.  
The popular route to the volcano is via Hilo. A good carriage road the entire distance.  
Round-trip tickets, covering all expenses, \$50.

## S. S. CLAUDINE,

CAMERON, COMMANDER.  
Will leave Honolulu Tuesdays at 8 o'clock a. m., touching at Kahului, Hana, Maui and Kipahulu, Maui. Returning, arrives at Honolulu Sunday mornings.  
Will call at Niihau, Kaula, once each month.

No freight will be received after 4 p. m. on day of sailing.  
This company reserves the right to make changes in the time of departure and arrival of its steamers WITHOUT NOTICE, and it will not be responsible for any consequences arising therefrom. Consignees must be at the landings to receive their freight. The company will not hold itself responsible for freight after it has been landed.  
Live stock received only at owner's risk.

This company will not be responsible for money or valuables of passengers unless placed in the care of purser. Passengers are requested to purchase tickets before embarking. Those failing to do so will be subject to an additional charge of twenty-five per cent.

C. L. WRIGHT, President.  
S. B. ROSE, Secretary.  
CAPT. J. A. KING, Port Superintendent.

## FOREIGN MAIL SERVICE.

Steamships will leave for and arrive from San Francisco or Vancouver on or about the following dates in 1897:

ARRIVE	LEAVE
From San Francisco	For San Francisco
or Vancouver	or Vancouver
Coptic...Sept. 9	Warrimoo...Sept. 2
Australia...Sept. 14	Gaelic...Sept. 4
Mariposa...Sept. 23	Peking...Sept. 14